IPL User Manual

MUST PUT THE WATER FULL OF WATER BOX THEN USE THE MACHINE

CERTIFICATE
of conformity with European Directives

Reference Number	**LUM200704025**
Product Name	**INTENSE PULSED LIGHT**
Applicant	**AB HONGKONG BEAUTY&HEACTH EQUIPMENT MANUFACTURE CO., LTD. QINGLINWAN 18-804, HAISHU, NINGBO, CHINA**
Manufacturer	**AB HONGKONG BEAUTY&HEACTH EQUIPMENT MANUFACTURE CO., LTD. QINGLINWAN 18-804, HAISHU, NINGBO, CHINA**
Brand Name	**N/A**
Model Number	**HKS-801 HKS-801B HKS-807B HKS-810 HKS-810B HKS-810D HKS-810C HKS-811 HKS-811B HKS-811C HKS-816 HKS-903 HKS-600 HKS-600B HKS-306 HKS-820**
Rating	**220V~240V, 800W**

The submitted sample of the above equipment has been tested for CE marking according to the following European Directives:

- the EMC Directive 89/336/EEC amended by 92/31/EC & 93/68/EEC

Standard(s) used for showing compliance with the essential requirements of the specified directive(s):

Standard(s)	*Test report No.*	*Issued by*	*Date*
EN 55015: 2000+A1+A2	LUM200704025	Best EMC	24 April 2007
EN 61000-3-2: 2000+A2	LUM200704025	Best EMC	24 April 2007
EN 61000-3-3: 1995+A1+A2	LUM200704025	Best EMC	24 April 2007
EN 61547: 1997+A1	LUM200704025	Best EMC	24 April 2007

The referred test report show that the product complies with standards recognized as giving presumption of compliance with the essential requirements of the above listed EU Directive(s). Other relevant Directives have to be observed.
After preparation of the necessary technical documentation as well as the conformity declaration the CE marking as shown below can be affixed on the equipment.

CE APPROVED

SHENZHEN BESTEMC Co., Ltd
Dick Newman
Chief EMC Engineer
Date: 24 April 2007

Note: This certificate is part of the full report and should be read in conjunction with it.

SAE TESTING CO., LTD
Http://www.saeworld.com.cn E-mail: ce@saeworld.com.cn

Confirmation Letter

Reference No.: HRN0707016

Applicant	Manufacturer
AB HONGKONG BEAUTY&HEALTH EQUIPMENT MANUFACTURE CO.,LTD	AB HONGKONG BEAUTY&HEALTH EQUIPMENT MANUFACTURE CO.,LTD
Flat/Rm B 8/F Charming Bldg 72-74 Cheung Sha Wan Rdkl	Flat/Rm B 8/F Charming Bldg 72-74 Cheung Sha Wan Rdkl

Product: INTENSE PULSED LIGHT SKIN THERAPY SYSTEM
Model No.: HKS

The following product ,submitted by the applicant has been tested by us,and/or verified on the basis of the ROHS test report provided by the applicant ,and found in compliance with the following directive:

2002/95/EC
Restriction of the Use of Certain Hazardous Substance in Electrical & Electronics Equipment (RoHS)

Manager
Date: July 30, 2007

The statement is based on a single evaluation of one sample of above mentioned products.
It does not imply an assessment of the whole production.
The certificate holder is responsible for the consistent manufacturing of the product in compliance with the tested sample(s) or component(s) submitted to us.

2F, Chuangxin Building, No.673 Jiangnan Rd, Hi-Tech Park, NingBo315040, China.
Tel.:+86 574 27721536 27721537 27721539 Fax.:+86 574 27721538

IPL USER MANUAL

Name of parts

On the surface panel

1.Lock: general switch of the machine. Turn right to turn on, and turn left to turn off.

2.Emergent switch (red one): Push the switch to cut off the power. Turn right to make the switch in the upper status when turn on the machine.

3.Control surface: computer control for operation.

Side of the equipment

4.Inlet for water: input enough water with the filler and pipe before using

5. joint: for every cable connects(light cathode, anode, AC outlet chips, water pipes)

6.Outlet for water: way out of water, open it before changing the new water.

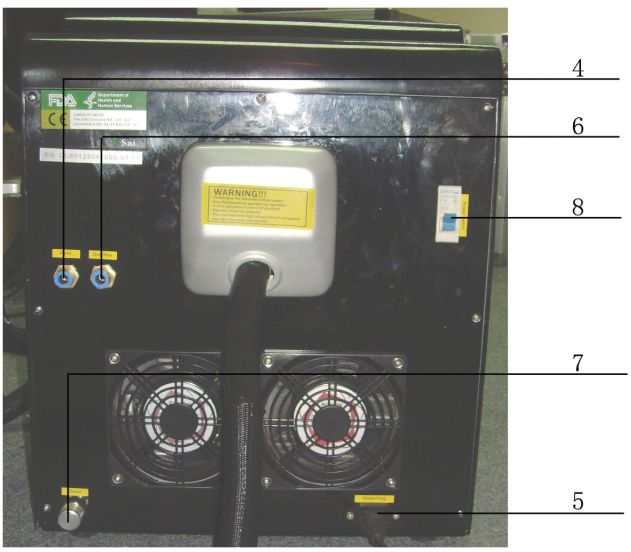
7.Water overflow hole; water will spill over from this hole when enough water been poured in to the equipment.

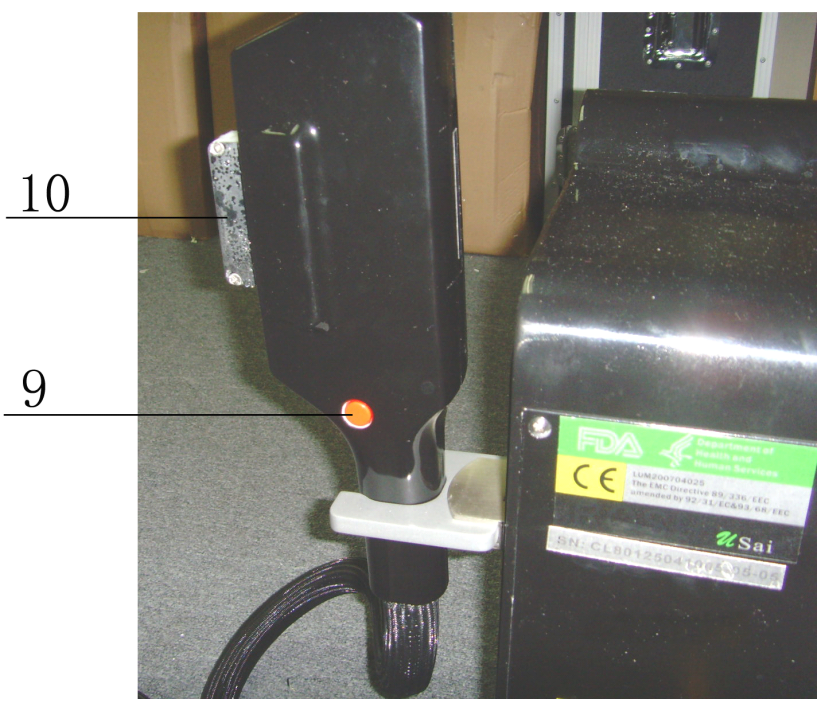
8.power switch

On the treatment handle:

9.Button for light outputs: Press it to emit the light.

10.Crystal for treatment





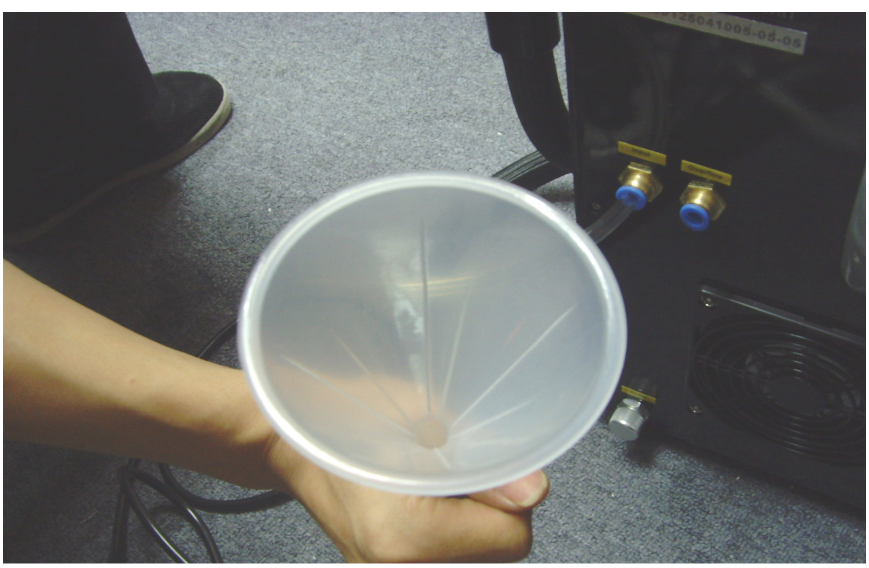
Operate step

1.Put the water in machine make the water is full of water box.
When the water is out of overflow,Means the water is full!
A-01/A-02 picture.

2.Connect the power,turn on the power switch,You will heard sound from inside the machine,Means the water pump is working.
A-03 picture

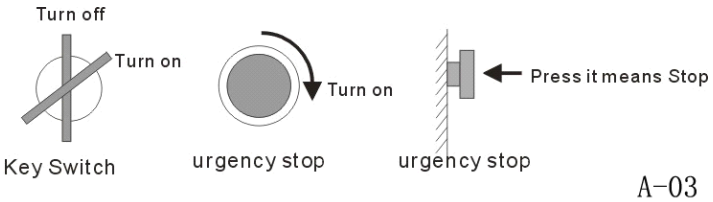
A-01

Connect the tube to input



A-02

Put the pure water in the tundish then through the tube to machine.When the water out of overflow,means the water is full.

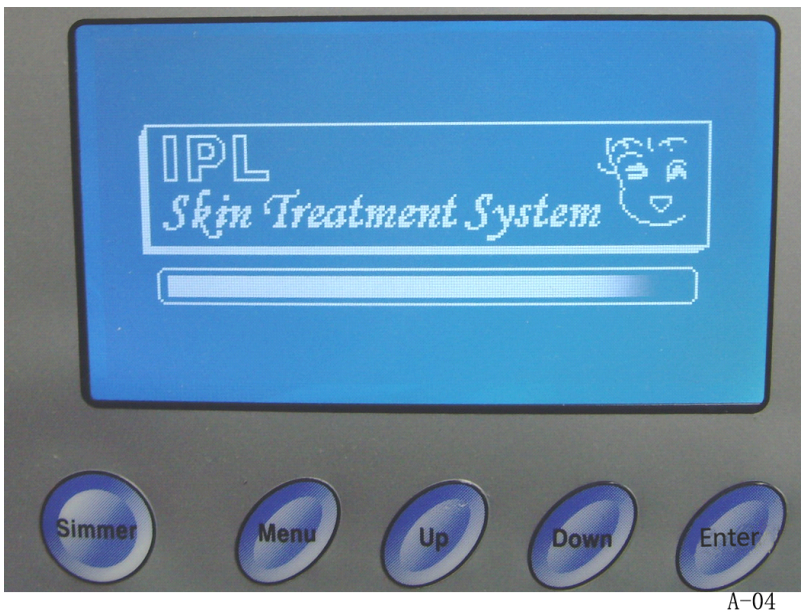


A-03

3.Turn on the key switch and urgency stop button.The IPL system is working,the display will start to working.

Press UP and DOWN button to choice the therapy item.

A-04/A-05



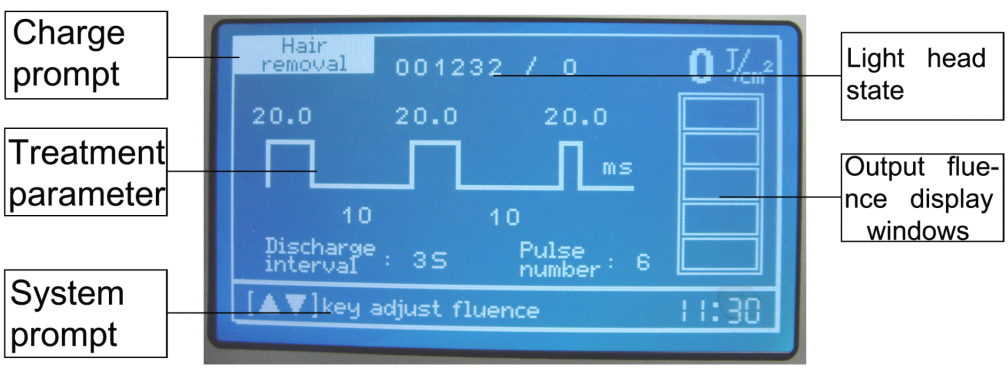
A-04

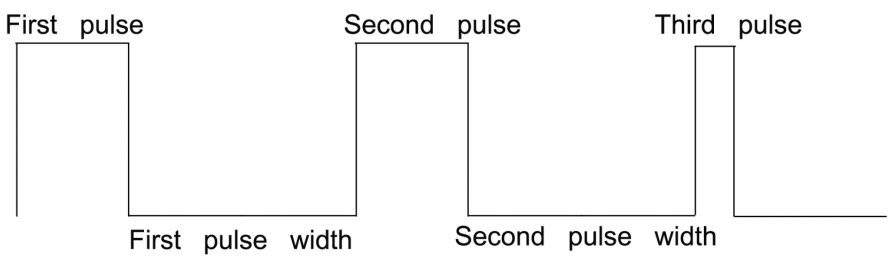
A-05

4.When choice a therapy item,Press ENTER BUTTON,the lamp in handle piece will be turn on.Means the handle piece can work now.
The system will be parameter display-A-06

Press UP or DOWN to adjust the energy,Then press MANU BUTTON to select NO.1 pulse/NO. pulse width.....
There will be a pane in the parameter Number in display,Then press UP or Down to adjust it.
When every parameter is ok,Press the enter,You can start to use the handle piece for therapy now.

When finish the therapy,Press MANU BUTTON,The system return to Main interface-A6.and the lamp is trun off in this time.
The circumgyrate the key and press urgency stop button(The water cool system is working yet!),turn off the Power switch in the back of machine.
Every parts of machine stop working!





Discharge interval:2S
Means 2 second/shot when press the button on handlepiece by continuous.

Pulse Number is 1-6 adjust.
First pulse:1-10ms.
First pulse width:5-99.
Second pulse:1-10ms.
Second pulse width:5-99

HAIR REMOVAL
HR skintype 1-2 very light skin color
Pulse Number:6-9
Pulse No.1:10 ms
Pulse Delay1:7.5 ms
Pulse No.2:10 ms
Pulse Delay2:7.5 ms
energy up to pain max 35J

HR skintype 3-4 darker skin color
Pulse Number:6-12
Pulse No.1:7.5 ms
Pulse Delay1:25 ms
Pulse No.2:7.5 ms
Pulse Delay2:25 ms
energy up to pain max 35J

SKIN rejuvenation
skintype 1-2 very light skin color
Pulse Number:5-7
Pulse No.1:10 ms
Pulse Delay1:7.5 ms
Pulse No.2:5 ms
Pulse Delay2:7.5 ms
energy up to pain max 35J

skintype 3-4 darker skin color
Pulse Number:3-5
Pulse No.1:10 ms
Pulse Delay1:15 ms
Pulse No.2:5 ms
Pulse Delay2:10ms
energy up to pain max 30J (Use 15J to check the skin,Then add the energy step by step,When feel acceptable hurt,then adjust the other pluse parameter for best result)

Dark Hair need increase Pluse width
thick Hair need increase Pluse width
Higher density hair need reduce energy
After frist therapy,Need increase 2-3J energy for next therapy

ADVERT,THIS RECOMMEND IS NOT FOR ALL PERSON!
THE DOCTOR NEED EXPERIENCE!

Notice

1.When frist time to startup the system,Need wait 15-20second to make the crystal be cool,this is better for maintenance system.

2.If do not use the machine,Need turn off the power switch,It is better for machine Cool system.

3.Do not use the machine in fulmination/lightning storm weather/Hard magnetic field,It will make the electric component be demolish.

4.Tabu group:pregnant woman/Black skin person/epileptic/ serious dermatosis person/serious wound person

5.Symptom after therapy(reasonable and will be disappear in 1-2days) hurt/erythema/bleb/Nothing happen

6.Frist time after therapy,do not use cosmetic,Just use water(Cool)to clean the skin.
Forbid Insolation during therapy period,The period is 3-4weeks.
Total need 4-6times therapy to make hair removal by completed.

7.Shave the hair,after 2-3days,the hair will grow be 1-2mm,It is better for absorb light,Better therapy result.

8.For frist shot by gun,The doctor need shot to his hand for check the energy,It is safe for sufferer.
Use 15J energy to check,then improve step by step,Just to acceptable energy,35-40J for hair removal.25-35J for skin rejuvenation.

9.Do not shot to eyes!

10.Better to put some GEL in skin for reduce the hurt,GEL thickness is about 1.5-2mm,Or use the ICE to make the skin be cold.

11.Do not open the cover of machine without professional.

12.Need put the clean water in machine,25-30days need change the water, To keep the water system be clean.

If need move the machine to far place,Please drainage all water from machine.
13.The machine need put in 20-33 degree air condition room.

14.forbid connect the machine to unstable voltage.

How to change the lamp and crystal

1.Drainage all water of the machine.lift the handle piece be higher than machine,Make the water tube be straight,Becasue there are some water in the tube and handle piece.

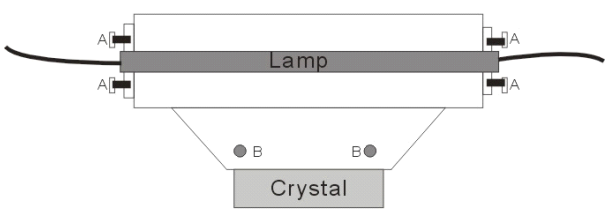
2.Open the handle piece by screw.Then open the screw A in the two bottomof metal parts.

3.take out the rubber ring and lamp.

4.Fix new lamp in the metal parts,then welder by iron

5.Then put some insulated adhesive tape over the bare cable.

6.If need change the crystal,Just need take out the B screw.



Take care:Red is anode,Black is cathode!!!!

Service register

1.Turn on the power,key switch,urgency stop button,Nothing happen.
Cause:The key swith or urgency broken.

2.Enter main interface,The lamp of gun flash continuous.
Cause:The electric engine is problem by unstable voltage.

3.The crystal is not cool.
The 5V switch in Machine have problem.
Or the lower cable is broken.

Or water pump is broken.

4.The lamp in handle piece is not work
Restart the machine,enter parameter display,Use 20J and wait
10-15second.The crystal be cool,then press the button to try.
Or need change the lamp.

5.Turn on the power,key switch,urgency stop button,
press the display and can cotrol nothing.(Just for touch display)
Adjust the display